Quick File Utility for AS/400

QFU/400

Version 1.0

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Introduction

QFU/400 is a database file utility which will allow you to access database files on the AS/400.

You can view the fields in a file in both single record mode or spreadsheet mode. You can copy, delete, display, print, change or add records. You can even copy certain records from one file to another. You also can view the file layouts, the database relations and the keys fields.

There are three levels of security. The broadest implementation of QFU/400 allows anyone to use the system. Optionally, you can specify certain users so that they cannot make file changes. You can also optionally set QFU/400 to only work for registered user profiles. This last option locks out all users except those you specifically want to grant access to the system.

QFU/400 can be started in three different modes. The basic mode starts from a file contents browse. Alternative commands are available that will first show a file and all of it's related files (a "tree" view) and a view that will first locate all files that meet a selection criteria.

Installation

QFU/400 can be ordered directly or you can download the package via the Internet. The following installation section of this manual covers both installation methods.

Install From Tape

The following procedure is used for both new installations and for update installations when you order your software from Kisco Information Systems and you receive the software on tape. To install QFU/400, follow these easy instructions:

1. Sign on using the QSECOFR id.

2. Place the installation diskette or tape in your system and key the following command:

   LODRUN DEV(xxxx)

   where xxxx is the name of your diskette or tape drive.

3. During installation, QFU/400 does the following:

   - Checks to see if this is a new install or an update install.
   - For update installs, the old library is saved in library QFULIBOLD and history information is transferred to the newly installed library.
   - For new installs, the software is initialized for the free 30 days trial period.
   - Additional documentation is printed which covers topics that have been added or changed since the user documentation manual was last printed.

4. When the command finishes, QFU/400 will be ready for use.

During step 3, documentation for additional topics will be printed. This includes topics and features that are not covered in this manual, normally because new features or capabilities have been added since the last printing of the manual. Before using QFU/400, please review all documentation in detail.

If this is a new trial install, remember that the software will only operate on your system for about 30 days. When you decide to keep QFU/400, you must send your payment to Kisco Information Systems. At that time, KIS must know the full serial number for your system. If you are not sure of your serial number, you can display it by using the following command:

DSPSYSVAL QSRLNBR

When KIS receives your payment and serial number, they will issue a password to you. This password, when applied, will certify your copy of QFU/400 and will permanently activate the software on your system. The password and certification instructions will be provided in writing (by E-mail, fax or by mail).

Please review the section later in this manual which covers the INSTALL menu for additional installation specifics.

Install From The Internet

The following procedure is used for both new installations and for update installations when you download the software from the Kisco Information Systems Website. To install QFU/400 on your system from the QFUINST.ZIP file you received via E-mail or Website Download, please follow these exact instructions:

1. Sign on to your AS/400 from a PC that is configured for Client Access/400 using Shared Folders. You must sign on using the special IBM-supplied user profile QSECOFR.

2. Run the following command:

   CRTFLR FLR(KISRMT)

3. Run the following command:

   CRTPF FILE(QGPL/QFUINSTALL) RCDLEN(80)

4. Using your PC, copy the QFUINST.ZIP file into the shared folder created in step #2 above. For most systems, this can be done by issuing the following PC command:

   copy QFUINST.zip I:\qdls\kisrmt

5. Also from your PC, unpack (unzip) the QFUINST.ZIP file while it is in the shared folder. This will create 5 files in the folder in addition to the zip file.

6. Now go back to the AS/400 command line and run the following command:

   CPYFRMPCD FROMFLR(KISRMT) TOFILE(QGPL/QFUINSTALL) +
   FROMDOC(INSTALL)

7. Also from the AS/400 command line, run the following command:

SBMDBJOB FILE(QGPL/QFUINSTALL)

Note: This command requires that the IBM supplied user profile QPGMR be an active entry in your system directory. If you are unsure about the status of your directory, use the WRKDIR command to verify that it contains an entry for QPGMR.

8. At this point, a job will be loaded into your system jobque called QFUINST. When the job starts running from the jobque, the following message will be sent to the QSECOFR user profile:

   "Starting QFU/400 install"

   and when this step completed, the following message will also be sent to the QSECOFR user profile:

   "Initial QFU/400 install processing now complete"

9. When you receive this message, type the following command on the AS/400 command line:

   GO QFULIB/INSTALL

10. When the INSTALL menu is displayed, type menu option #1 to complete the installation process. When this command is finished, QFU/400 will be installed on your system for your FREE 30 DAY TRIAL.

11. To start using QFU/400, type the following command and prompt it for parameters using the F4 key:

    QFULIB/VIEW

During the final install processing (step #10 above), a document called "Additional Documentation Topics" will print. This includes the latest system changes and documentation since the last time the user manual was updated. The full user manual is available via the Internet in Adobe Acrobat format. Check the Website (http://www.kisco.com/qfu.htm) to obtain a copy.

When you have completed your testing and want to purchase Quick File Utility/400, you can do one of the following depending on how you obtained the trial software:

1. If you ordered the software directly from Kisco Information Systems, you will find an invoice in the manual binder. Send your payment using this invoice. As soon as Kisco receives your payment, a permanent authorization code will be issued that will permit your copy of QFU/400 to run beyond

the trial period.

2. If you obtained the software via the Internet, just complete the order form on the following page and fax it to Kisco. Be sure to include the serial number for your computer system. Kisco will then fax (and mail) an invoice back to you for your copy of the software. As soon as the invoice is paid, a permanent authorization code will be issued that will permit your copy of QFU/400 to run beyond the trial period.

KISCO INFORMATION SYSTEMS Fax orders to: 914-241-9140

QFU/400 Internet Order Form

I have a copy of your QFU/400 software that I obtained via Internet Download. I want to keep the software permanently. Please fax (and mail) your invoice to me now.

Please complete all of the following information

Print your name: _____

Company name: _____

Street address: _____

City, State, Zip: _____

Phone number: _____ Fax number: _____

E-mail address: _____

AS/400 Model Number: ____ Serial number: _____

Media format (check one):_ 1/2" Reel Tape Current OS/400 Release: ___
_ 1/4" Tape Cassette
_ 8mm Tape Cartridge

How did you hear about QFU/400? _____

_____

_____

7 Church Street, Saranac Lake, New York 12983 (518) 897-5002 FAX: (518) 897-5003
E-mail:Sales@kisco.com

Master Menu

You can display the MASTER menu in QFU/400 by keying the following command from your AS/400 command line:

GO QFULIB/MASTER

The following is a view of this menu:

```
 MASTER                              MASTER Menu

           Quick File Utility for AS/400 Main Menu                  Command

      1.  View File with field names                                VIEW
      2.  View File Tree                                            VIEWT
      3.  Where-is File                                             VIEWW









     10.  To INSTALL Menu



Selection or command
===>_____________________________________________________________________________
_____________________________________________________________________________
```

The three ways to run QFU/400 are all available from this menu. At the right, on each menu line, is the AS/400 command that can also be used from any command line. To access any command, type the command in the following format:

QFULIB/command

You can then press the F4 key to prompt for the command parameters.

The following manual section describes these three commands in detail.

View File with field names

When you select menu option #1 or prompt the VIEW command, the following command parameter screen will be displayed:

```
                                QFU/400 View (VIEW)

Type choices, press Enter.

File Name  . . . . . .          Name
  Library Name . . . . .   *LIBL     Name, *LIBL
Start Screen . . . . . . FIL          FIL, FLD
Access Mode  . . . . . . KEY          KEY, RRN
Member Name  . . . . . . *FIRST       Character value
External Override  . . . .          Name
  Library Name . . . . .   *LIBL     Name, *LIBL









F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys
```

Fill in the parameters as follows:

Parameter Name	Definition
FILE	Enter the name of the file you want to work with along with the library where the file is located.
GOTO	Choose one of the following values: FIL Show field names for column headings FLD Show field descriptions for column headings
ACCESS	Choose one of the following values: KEY Access records in the file based on the file index key RRN Access records in the file based on the relative record number within the file
MEMBER	Enter the member name you want to work with. If there is a single member in the file or if you just want the first member in the file, use the default value of '*FIRST'.

EXTFILE — If your file is not externally described, you can tell QFU/400 to use the description from a different file when working with the file named in the FILE parameter. Enter the name of the file which contains the layout description that you want to use in this parameter along with the name of the library where it is located.

File Browse Display

After filling in all parameters, press ENTER. QFU/400 will then access the layout of the file and build your file browse screen. When all information has been accessed, the main display screen will appear as follows:

```
File: CUSTI1LF   Library: RLIBR     Member: CUSTI1LF     Length:        479
      CUSTINFO by Char Cust number                      Records:         51
Window No:  1  Window Fld:          Format: CUSTFT     File Size:        *LF
Key Value: 021360036
2=Change  3=Copy  4=Delete  5=Display  6=Print  8=DSPPFM (Hex)  9=Copy to File
       RRN CSTCCI     CSTPCI     CACTCI  STYPCI  JBCDCI  FNAMCI      LNAMCI
         1 021360036   21360036  0        1              H MARIE     KINSEY
         2 021360038   21360038  0        1              CATHY       MACKENZIE
         3 021360039   21360039  0       13              MARGE       INNESS
         4 021360040   21360040  0        1              RITA A      BRAZELL
         5 021360043   21360043  A       15              F.          DADDARIOI
         6 021360044   21360044  0       13              BELA        KASAS
         7 021360047   21360047  0       15              CHERYL      SZYMANSKI
         8 021360048   21360048  0        1              CRAIG       LANKHORST
         9 021360051   21360051  0        2              DEBORAH     SERCOMBA
        10 021360052   21360052  A        1              SALLY       KELLY
        11 021360055   21360055  0       15              CHERYL      SZYMANSKI
        12 021360056   21360056  0        2              JOAN        CREEDON
        13 021360059   21360059  A        2
        14 021360060   21360060  0        3              JOHN        BARNES
        15 021360063   21360063  A        2              JEANNE      PERRIN
F2=File F3=Exit F4=Single F5=Layouts F6=Add F7=Toggle F8=DFU F9=Tree F10=Full
F11=Keys  F13=Cmds  F16=Find  F17=Replace  F19/20=Window  F21=Cmd  F22=Whereis
```

This will now display the main QFU/400 file browse screen.

Once you view a database file, you have many different options and command keys to press. Here is an explanation of the functions and fields on this main screen.

At the top:

The file name, library and format are displayed. The length of the file, the number of records (only active), and the file size is also displayed. If you are viewing a logical file, instead of the file size,

you will see "*LF" indicating this is a logical file which is not the actual size of the data. Logical files only contain pointers, not the data itself.

Window No. and Window Fld:

You can enter the field number or the field name to immediately position the spreadsheet view to that field.

Key Value/RRN:

If the file is currently viewed in key order, you can enter all or some of the contents of the key and press enter. This will position the database file on or to the closest key in the spreadsheet view. Pressing the F11 key will break apart each key field if needed. If the file is currently viewed in relative record number order, enter a relative record number to position the database file to. If you enter all nine's, the database will be positioned at the last record.

Options:

Next to one or more of the records, you can enter a numbered option. The valid options you can choose are:

Option	Action Description
2	Allows you to change (update) the selected record.
3	Allows you to create a copy of the current record to be added to the file. The record to be added will be displayed allowing you to make changes before it is actually added to the file.
4	Allows you to delete the selected record.
6	Prints the contents of the selected record to a printer.
8	Displays the file starting at the selected record in HEX mode.
9	Allows you to copy selected records to another file (provided that the destination file is compatible with the displayed file and is at the same file level).

In addition to the record level options, the following command key functions are also available from the main file view display.

F-Key	Description
F2	Previous views - a listing of the last five files you have opened from the command

	line.
F3	Exit QFU/400
F4	Toggles between Spreadsheet mode and single record mode.
F5	Display file layouts.
F6	Add a new record to the file if externalized.
F7	Toggles between showing field names and field descriptions as column headings.
F8	Access DFU for file updates in place of using options 2 or 4.
F9	Displays the database tree (or database relations)
F10	Removes command key information and option information to display several more records on the screen or to put these functions back on the screen.
F11	Break apart keys to set database pointer. Valid only when viewing keyed files.
F12	Exit QFU/400
F13	Access OS/400 commands related to the file.
F15	Find Next
F16	Position the file to a certain record. Access to SQL or Query Manager.
F17	Search/Replace function. Write small search and replace programs. An RPG compiler Is needed for this function.
F19	Window left one field at a time.
F20	Window right one field at a time.
F21	Display an OS/400 command line.
F22	Access the “where-is” function. (Find an object)

Previous Views

By pressing F2, a window will appear listing the 5 previous files you have viewed from the command line. Select one of them with option 1 and press enter, or press F12 to return back to view the current file. If the file is viewed more than one time, it will not be duplicated in the list.

Alternate View

When displaying the database in spreadsheet mode, you can press the page-up or page-down keys to scroll through the database. When you press the F4 key, the complete current record will display. You can use the page-up and page-down keys to scroll through all the fields in the record. If you want to go directly to the next record without having to page down through all the fields, you can press the enter key when in single mode. If you hit the page up key at the top of a record, you will go to the previous record.

File Layouts

When you press F5, a list of all the fields in the data file will appear. You can select only certain fields to view by placing a one in front of each field. You can remove the field from the current view by placing a 4 in front of the field. You cannot, however, remove the first field from the database. When you remove the field from the file layout screen, it is only temporary until you open the file again.

You can also select the sequence in which the fields appear on the screen by renumbering under the "Seq" field and pressing enter. If you wish for the key fields to appear at the top of the list, you can also press F11 which will float all key fields, in order, to the top of the file layouts list.

External Program Calls

You can choose to call a program when displaying the contents of a field in single mode for more information. An example of this is to display a table value next to the field such as the state name next to the state value. There are two example programs in the QDDSSRC file in library VIEW. Place a 6 in front of the field you wish to add an external program call to. Next, enter the name of the program, the library and if a parameter literal if needed up to 10 characters. The program being called must receive two parameters. They are *CHAR 64 and *CHAR 10. The first parameter is the value of the field. Your program should change that value to the new value you wish to display next to the field. The second parameter is used if you wish to send up to 10 characters to the called program for whatever reason you wish.

A program called SHOWSTATE can be written with two parmameters. The first parameter will only be used. The value of the field in that record will be pasted to your program, left justified. You can do whatever you wish with this value, such as writing an RPG program, looking up the value in another file and then changing this parameter with the full state name for example. QFU/400 will then display this value next to the field value when in single mode.

Printing file layouts

From the file layouts screen, press the F9 key to print the file layouts. The fields will print in the current sequence. Any fields that have been temporarily removed will not print.

Create RPG Program

When pressing F10 from the file layouts screen, both DSPF and RPG code will be generated to help you create an entry screen. If you only want certain fields to exist in your program, remove these fields (such as audit information, or last updated by fields) using option 4. You can also resequence the fields before creating the RPG program if you want the fields to appear in a certain order. The RPG program can then be modified or called from a browse subfile by sending the relative record number and the type of action such as Add, Update, or Delete. Browse the source code after it is generated and modify it as needed.

NOTE: The member QFULIB/QDDSSRC(VIEWHEAD) can be changed which is the screen header and footer used for add/change/copy function as well as create RPG program. This DSPF file can be changed using SDA but not compiled. Once you make this change, all future change programs created by QFU/400 will use these header and footer defaults. An example would be to put the name of your company at the top of the screen.

Please note that fields greater than 256 in length will not appear on add/change screens. You can press F8 to access DFU to change these records. Custom fields added to the database also will not appear in the add/change screens.

Custom Settings - Security

Press F23 from the file layouts screen to setup defaults for the current user. You can select which view mode is first when opening a file, how many records to scan before stopping and the type of scan (SQL or QFU/400) you wish to default to. You can also select the color field names appear in spreadsheet mode. (G=Green B=Blue P=Purple R=Red W=White). The field "Can copy and delete" can only be changed by modifying the file "QFULIB/VIEWUSER" using QFU/400. This is for security reasons.

The file QFULIB/VIEWUSER can contain a user name "*DEFAULT" - If the file does contain this profile, all new users that start QFU/400 for the first time will adopt these defaults. If you want all new users to not have change/delete authority on files, then make sure a *DEFAULT profile exist and the "Change/Delete" field is an "N". You can add this profile by viewing the file QFULIB/VIEWUSER and pressing F6 to add a record.

*NOTE: If you create a profile *DEFAULT and you place an X in the field "Change/Delete", any new user who uses the view program will receive a message letting them know they are not authorized to QFU/400 and should see a supervisor.

Find/SQL

Press F16 to enter search values to find the next record in the database with a certain value. Enter the value field name, an operation code and a value. The operation codes EQ, NE, GT, GE, LT, LE and CT are value. The operation code CT, contains, will be valid if anywhere in the field the value exist such as “NAME CT ITH” will find the record “SMITH”. Once a match is found, the record will be displayed. You can press F15 to find the next occurrence.

If you are searching for text that happens to be in mixed case or lowercase, press F6 to be able to type the search value in lowercase letters. Pressing F6 again will toggle back to uppercase. If you have an SQL package installed on your AS/400, you can select Y to run SQL after you have entered the Field, Op and Value fields. The current program is set to run the command “RUNSQL”. If you wish to have QFU/400 directly access your SQL product, using the RTVCLSRC (Retrieve CL source) command, retrieve the source code to program QFULIB/VIEWSQL, modify it and recompile it keeping the same parameters. If you need a more extended search with more than one field, you can press the F5 key to access IBM’s Query manager if it is loaded on your AS/400.

Database Tree

Pressing F9 from the file display window will display the database relationship tree on the file you are currently viewing, or the file you have entered on the VIEWT command. The key fields will appear. Key fields which are in descending order are highlighted. Files attached to the physical that are in different libraries (should be a no-no!) are also highlighted. The word "*UNIQUE" will appear if the keys are a unique. The select/omit data will follow in the next lines for the logical file. You can place option 3 in front of each logical to view complete data about the select/omit attributes of the file.

Search/Replace:

The search/replace function allows you to change data in a primary file without actually writing a program. The search/replace function actually write and compiles a replace program and executes it. Since the program is actually written and compiled and executed, it can run through database files with thousands of records faster than a standard search/replace routine. The true performance gain is when you are working with database files with over 5,000 records.

Additional features include the ability to delete the record rather than replace it, print a before and after audit record, ability to embed RPG code "sniplets" in a replace program, ability to connect to a joining file using key fields and the ability to generate a program to add additional code to it later on.

You can create up to 5 search and 5 replace conditions. But, using the F15 option, you can also create up to 10 more search or replace conditions. If writing any source code lines in the embed statements, you can also branch to a tag called "$SKIP" which will fully bypass the current record at any time and not replace or delete the record.

The embed routine can also be used before connecting to a file for special link fields. An example of this would be:

File A	**File B key fields**	
OACUST	CUSTYP	(Always C in this example)
	OBCUST	

In the above example, file B always has a "C" for customer type. But, the "C" does not exist in file A. You can press F15, embed, and on the first source code line, move a "C" in to a variable called "$TYPE". Make sure you qualify the variable as length of 1 since this is a new variable. Next, on the connect screen, you can connect to file B and use the fields $TYPE and OACUST to connect.

You can always create new fields in the embed screen but be sure to qualify new fields with a length. Once you qualify them with a length (new variable), they will appear in the fields listing on the main replace screen.

On both the search and replace windows, you can press the F4 key to pick a field from a list.

Hints for users

If you just need the file layouts to a file, you can type VIEW <library/>file FLD. Once you a viewing the file layouts, you can press F3 to quickly exit the program, or F12 to view the file.

If the file you are changing/adding is a commonly used file, always select "Permanent" when creating the add/change program. Otherwise, select "Temporary" and it will only remain until you sign off your terminal.

You can change the SQL option to interface with your SQL package by using the RTVCLSRC command and modify the program VIEWSQL. For more information, see the SQL section above.

If there is a key field which is a literal or a piece of the primary file when using the search/replace function, you can create a field on the embed screen using a simple "MOVE "Literal" "FIELD" before connect to file. Be sure to enter the length and decimal positions. Then enter this field on the F16 screen, connect file.

Limitations:

To display fields greater than 256 in length, use the "Create Field" option in File Layouts, F6 and break it in to multiple fields.

Limitation without the RPG compiler:

It is important to know that not all functions will work in QFU/400 if you do not have an RPG compiler (CRTRPGPGM) on your system. In order to change or add records, or use the Search/Replace function, you will need this compiler. If you do not have an RPG compiler on your system, use DFU (F8) to add and change records.

OnLine Help:

Pressing the F1 key or Help key on most of the screens will give you direct on-line help about the function or task you are performing in QFU/400. You can also press F1 for more information when prompting the commands.

Install Menu

When you select item number 10 from the main menu (MASTER), the installation menu is displayed as follows:

```
INSTALL                        INSTALL Menu

Select one of the following:

     1.  Run initial install procedure
     2.  Display installation status
     3.  Change installation status
     4.  Print documentation


     7.  Process Kisco PTF Package




    10.  To Main Menu




Selection or command
===>

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel
F13=User support      F16=System main menu
```

Menu items perform the following functions. Each function is discussed in greater detail later in this document:

1. Run initial install procedure

   This option should only be used during initial system installation.

2. Display installation status

   Displays a screen showing the current installation status for the software.

3. Change installation status

   Displays the current software installation status and allows for changes to be made.

4. Print documentation

   Prints additional documentation manual to the default print device.

7. Process Kisco PTF Package

   Allows you to install PTF's received from Kisco Information Systems via E-mail or by Website download.

10. To Main Menu

    Will display the MASTER menu.

Display installation status

At any time, you can check the current installation status of your copy of QFU/400 by selecting this menu option. You must be signed on with security authority of QSECOFR or equivalent. The following screen will be displayed:

```
  Free Trial -- Dynamic Software Security -- INSTALLATION Procedure


 Installation for        QFULIB       Developer ID code  KISCO

                                      Current Library    QFULIB
 Machine serial number    1010788     Sec.serial number   1010788
                                      Sec.install date.  970610
 Machine run date....    970624       Sec.expire date..  999999



      Security Status (CURRENT STATUS).........Z-nnn



 Please enter:

 Type of install .....  _        T for trial, or P for permanent

 Install password ....  ______   Blank for trial, or permanent pswd
 New expire date......  ______   Blank for trial, or 999999 for perm

Cm3,7-Return to menu           HELP            ENTER-process install

                               Free Trial (c)1997 Kisco Info Systems
```

The message at the center of the screen will indicate your current installation status. You should also check the Sec.expire date for an expired trial period. QFU/400 may still show as installed on a trial basis but, if the trial is expired, it will no longer function.

The following are the possible status messages that can appear on this display:

Message	Explanation
Z-001 NOT INSTALLED	Trial installation not started
Z-002 TRIAL EXPIRED	Trial period has ended
Z-003 PERMANENTLY INSTALLED	Software is permanently installed
Z-004 INSTALLED ON TRIAL	Software is installed on trial
Z-005 PASSWORD NOT ACCEPTED	Password keyed is not valid

Z-006 WRONG LIBRARY	Programs must run from our library
Z-007 PLEASE RUN TRIAL INSTALL	Must have trial install before perm.
Z-008 INVALID INSTALL REQUEST	Must be P or T
Z-009 INVALID SECURITY (REC#6)	Call Kisco
Z-010 INVALID SECURITY (NO ZZ)	Call Kisco
Z-011 INVALID SECURITY (HASH.)	Call Kisco

Change installation status

To make changes to your installation status, use this menu option. The changes processed can include both a trial period extension and permanent installation. You must be signed on with QSECOFR security authority or equivalent. When you select this option, the following screen is displayed:

```
 Free Trial -- Dynamic Software Security -- INSTALLATION Proced

Installation for        QFULIB       Developer ID code  KISCO

                                     Current Library    QFULIB
Machine serial number    1010788     Sec.serial number   101078
                                     Sec.install date.  970610
Machine run date....    970624       Sec.expire date..  999999


    Security Status (CURRENT STATUS MSG).....Z-nnn


Please enter:

Type of install .....  _        T for trial, or P for permanent

Install password ....  ______   Blank for trial, or permanent p
New expire date......  ______   Blank for trial, or 999999 for

Cm3,7-Return to menu          HELP            ENTER-process ins

                                  Free Trial (c)1990 Kisco Inf
```

Trial extension:

To extend a trial period, contact Kisco Information Systems and request an extension. We will provide you with an extension password and new expiration date. On the above screen, enter the following:

Type of install	Enter 'T' for trial
Install password	Enter all six digits of the extension password provided, including any leading zeros
New expire date	Enter the new expiration date in the format YYMMDD (ie: June 12, 1997 would be 970612)

When the parameter fields have been completed, press enter to reactivate your software.

Permanent installation:

To permanently install your software package, use the permanent password provided by Kisco Information Systems following receipt of payment. On the above screen, enter the following:

Type of install	Enter 'P' for permanent
Install password	Enter all six digits of the extension password provided, including any leading zeros
New expire date	Enter all 9's (ie: 999999)

When the parameter fields have been completed, press enter. Your software is now permanently installed.

Print documentation

At any time, you can reproduce the additional documentation topics from the installation step by using this menu option. A full copy of this printout will be routed to your session printer.